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DERWENT-WEEK: 200321

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TITLE: Aqueous adhesive composition containing polyvinyl alcohol-containing modified ethylene-vinyl acetate-polyfunctional monomer copolymer emulsion and anionic polyurethane emulsion exhibits excellent adhesion to various substrates

PRIORITY-DATA: 2001JP-0047378 (February 22, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2002249743 A	September 6, 2002	N/A	009	C09J 123/08

INT-CL (IPC): C09J123/08, C09J129/04, C09J131/04, C09J175/04

ABSTRACTED-PUB-NO: JP2002249743A

BASIC-ABSTRACT:

NOVELTY - A novel aqueous adhesive composition (P) consists of a copolymer emulsion (A) and an anionic polyurethane emulsion (B).

DETAILED DESCRIPTION - (A) is obtained by emulsion polymerizing 20-100 parts mass of an unsaturated polymerizable monomer mixture (A1) that contains 20-70 mass % of 6-10C alkyl acryloyl compound monomer in the presence of 100 parts mass in terms polymer solids of a polyvinyl alcohol-containing ethylene-vinyl acetate-polyfunctional monomer copolymer emulsion (A2) which contains at least 70 mass % of toluene-insolubles and 25-35 mass % of ethylene.

USE - (P) is suitably used for bonding various kinds of plastics and metals to itself or mutually, particularly for manufacture of overlaid decorative laminates.

ADVANTAGE - (P) does not contain any volatile organic compound and can bond even at relatively low temperature atmosphere various substrates including difficult to bond materials like polyvinyl chloride and polyolefins and exhibits adhesion strength excellent in resistance to heat, thermal creep, and water.

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Basic Abstract Text - ABTX (1):

NOVELTY - A novel aqueous adhesive composition (P) consists of a copolymer emulsion (A) and an anionic polyurethane emulsion (B).

Title - TIX (1):

Aqueous adhesive composition containing polyvinyl alcohol-containing modified ethylene-vinyl acetate-polyfunctional monomer copolymer emulsion and anionic polyurethane emulsion exhibits excellent adhesion to various substrates

Standard Title Terms - TTX (1):

AQUEOUS ADHESIVE COMPOSITION CONTAIN POLYVINYL ALCOHOL
CONTAIN MODIFIED
ETHYLENE VINYL ACETATE POLYFUNCTIONAL MONOMER COPOLYMER
EMULSION ANION
POLYURETHANE EMULSION EXHIBIT ADHESIVE VARIOUS SUBSTRATE